

# SOLAR GEN 2



LUMENIA  
STREET

SOLAR GEN 2 features top-quality components. Our unmatched development distinguishes this system as utterly reliable with a prolonged service life. Main features of the system represent a smart battery charger, controlling the charging of batteries and automated dimming.

	SOLAR GEN 2
System efficacy	Up to 140 lm/W
LED	24
Power	30 W
Luminous flux	4,200 lm
Advisable installation height	4 m
Lifetime	3000 cycle lifetime
Battery bank	LiFePO4 100A 12V
System autonomy	Up to 72 hours
CCT	3000K; Other upon request
CRI	>70, >80 upon request
Ingress protection	IP 66
Mechanical strength	IK 08
Operating temperature	-20 °C to +50 °C
Electrical / Appliance class	Class II
Tilt of the solar panel	20°-40° vertical; 360° horizontal
Colour	Metalic Dark Grey
Housing material	Aluminium body
Warranty	5 years
Certificates	CE



Up to  
120 lm/W

System  
efficacy



LED  
module



Energy saving  
product

IP 66

Protection  
class

IK 08

Mechanical  
strength



Low  
maintenance



Ready to use



Long life



Appliance  
class II



Easy mounting



CE certificate



Recyclable  
materials

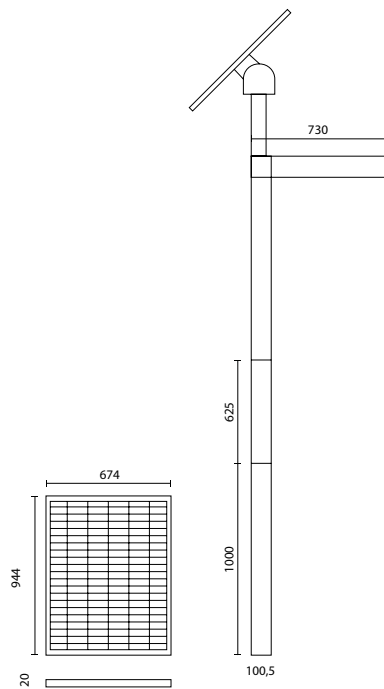
## MAIN FEATURES

System autonomy for up to 72 hours  
Lithium battery integrated in IP protected box  
Tempered safety glass  
High performance optic covering most  
roadway specifications

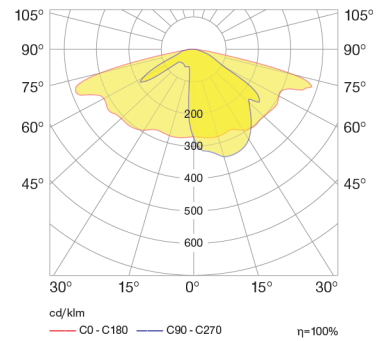
## APPLICATIONS

Road types M5 / M6 / P2 / P3 / P4 / P5 / P6  
Areas with no public grid  
Bus stations, parks and dirt roads

## DIMENSIONS



## OPTIC



Suitable for larger distances between poles and for parking spaces.

## PRODUCT VARIATIONS

### SOLAR GEN 2

Article	LED	Power [W]	Luminous flux [lm] *	Efficacy [lm/W]	PV Module power [Wp]
SOLAR GEN 2 24.030.030	24	30	3600	120	100

\*Luminous flux is valid for CCT 3000 K

The latest validated data is available at [www.lumenia.com](http://www.lumenia.com).